

S.N.: 10/798,815  
Art Unit: 2878

**AMENDMENTS TO THE CLAIMS:**

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

**Listing of Claims:**

1. (Currently Amended) A system for displaying an image captured by a sensor array, the system comprising:

a buffer for storing an output from a first plurality of sensors of a sensor array;

means for processing the stored output to create an image corresponding to an output from a plurality of sensors within a first area of the sensor array, wherein the plurality of sensors within the first area of the sensor array are a subset of the first plurality of sensors;

means for displaying the image;

a memory for receiving and storing the image; and

means for changing the image displayed by translating the first area, wherein the buffer is for enabling the system to capture the output from the first plurality of sensors at a rate greater than the processing rate of the means for processing.

2. (Canceled).

3. (Canceled).

4. (Canceled).

5. (Canceled).

6. (Original) A system as claimed in claim 1, comprising a display for displaying the image corresponding to the output from the plurality of sensors within the first area of the sensor array.

7. (Original) A system as claimed in claim 1, comprising a user input device for controlling the

S.N.: 10/798,815  
Art Unit: 2878

translation of the first area within the sensor array.

8. (Original) A system as claimed in claim 7, wherein the user input device controls translation in a first direction and, independent translation in a second direction, substantially perpendicular to the first direction.

9. (Original) A system as claimed in anyone of claims 7, wherein the first user input device is additionally arranged to resize the first area.

10. (Original) A system as claimed in claim 9, wherein the user input device is arranged to simultaneously resize and translate the first area.

11. (Original) A system as claimed in claim 1, wherein the means for displaying an image comprises a processor.

12. (Currently Amended) A method for displaying an image, the method comprising:  
temporarily storing an output from a first plurality of sensors of a sensor array;  
processing the stored output to create an image corresponding to an output from a plurality of sensors within a first area of the sensor array, wherein the plurality of sensors within the first area of the sensor array are a subset of the first plurality of sensors;  
displaying the image corresponding to an output from the plurality of sensors within the first area of the sensor array;  
receiving and storing the image in a memory; and  
displaying a different image in response to a user input that is equivalent to translating the first area within the sensor array, wherein the temporary storing of the output from the first plurality of sensors occurs at a rate greater than the processing of the stored output.

13. (Currently Amended) A system for displaying an image, the system comprising:  
a buffer for storing an output from a first plurality of sensors of a sensor comprising an N x M array of light sensors,

S.N.: 10/798,815  
Art Unit: 2878

a processor for processing the stored output to create an image comprising an  $n \times m$  array of pixels corresponding to an output from an  $n \times m$  subset of the  $N \times M$  array of light sensors, wherein the  $n \times m$  subset of light sensors are a subset of the first plurality of sensors, and for controlling a display to display the image, wherein the corresponding  $n \times m$  subset is changeable in response to a user input to vary the image for display; and

a memory for receiving and storing the image, wherein the buffer is for enabling the system to capture the output from the first plurality of sensors at a rate greater than the processing rate of the processor.

14. (Previously Presented) A system as in claim 1, wherein the system is incorporated in a digital camera.

15. (Previously Presented) A system as in claim 10, wherein the system is incorporated in a digital camera.

16. (Previously Presented) A system as in claim 15, wherein said resizing corresponds to a digital zoom.

17. (Previously Presented) A system as in claim 16, wherein said translating of said first area is accomplished by a command.

18. (Previously Presented) A system as in claim 17, wherein resizing forms an image that is larger than said image created by said processing means.

19. (Previously Presented) A system as in claim 17, wherein resizing forms an image that is smaller than said image created by said processing means.

20. (Previously Presented) A system as in claim 17, comprising a memory for receiving and storing the image.

S.N.: 10/798,815  
Art Unit: 2878

21. (Previously Presented) A system as in claim 20, wherein the memory is a built-in permanent memory.

22. (Currently Amended) A system as in claim 1 ~~20~~, wherein the memory is a removable memory.

23. (Previously Presented) A system as claimed in claim 1, wherein the memory is for receiving and storing the output from the first plurality of sensors of the sensor array.

24. (Previously Presented) A system as claimed in claim 7, wherein the user input device is connected to the means for processing via a wireless link.

25. (Previously Presented) A system as in claim 1, wherein the system is incorporated in a portable handheld device.

26. (Previously Presented) A system as in claim 25, wherein the portable handheld device is a mobile phone.

27. (Previously Presented) A system as in claim 25, wherein the portable handheld device is a personal digital assistant.

28. (Previously Presented) A system as in claim 22, wherein the removable memory is a secure digital card.

29. (Previously Presented) A system as in claim 22, wherein the removable memory is a microdrive.